

EVERYDAY MATHEMATICS SECURE GOALS

PrePrimary	Kindergarten	First Grade	Second Grade	Third Grade
<p>Everyday Mathematics is a spiraling program where the skills build on each other. Some years such as PrePrimary and first grade are years of exposure to many topics. In subsequent years students are expected to be secure in the topics they have been exposed to in previous years.</p> <p>Exposure to a variety of topics in the following areas:</p> <ul style="list-style-type: none"> Numeration Operations Patterns and Functions Geometry Measurement Money Clocks and Calendars Data and Chance 	<ul style="list-style-type: none"> Count forward to 70 and backward from 10 to 0. Use and writes number 0 – 15+. Verbally counts 20 or more objects in a random arrangement. Performs interrupted verbal counting beyond 100. Count backward from 22 or higher. Count by 2s beyond 30. Count by 5s beyond 110. Count by 10s beyond 110 Read any number, 100 or less. Write any number, 100 or less. Understand basic meanings of addition and subtraction in real situations, in children's own number stories, in oral problems, with concrete objects, and on number lines. Recognize many non-computational uses of numbers through daily experiences. Estimate comfortably. Perform simple data collection and graphing. Has experience with basic geometry shapes and symmetry concepts; recognizes and names basic plane and solid figures. Knows the value of a penny, nickel, and dime; recognizes a quarter. Estimates times on an analog clock using only the hour hand. 	<p>First grade is a year of exposure to a variety of mathematics concepts. Students will need to be secure in only the following goals. Students will be at a beginning and developing level in the other goals they have been exposed to.</p> <ul style="list-style-type: none"> Count up and back by 1s starting with any number up to and including 20. Count up to 20 objects. Count by 2s to 20. Count by 5s to 50. Writes numbers 1-20. Order and compare number to 22. 	<ul style="list-style-type: none"> Count by 2s, 5s, and 10s. Make tallies and give the total. Know easier addition facts. Construct fact families for addition and subtraction. Complete simple Frames-and-Arrows diagrams. Solve simple addition number stories Identify place value in 2-digit and 3-digit numbers Show penny, nickel, dime, and quarter for a given amount. Know all addition facts. Know easy subtraction facts. Add and subtract multiples of 10. Identify 2-dimensional shapes Add three 1-digit numbers mentally Know complements of 10. Count by 2s, 5s, and 10s and describe the patterns Find missing addends for the next multiple of 10. Solve number-grid puzzles Plot data on a bar graph. Shade a specified fractional part of a region Give the fraction name for the shaded part of a region Read and write money amounts in decimal notation. Use equivalent coins to show money amounts in different ways. Use a calculator to compute money amounts Know exchange values of U.S. coins. Know and express automatically the values of digits in 2-, 3-, and 4-digit numbers. 	<ul style="list-style-type: none"> Know basic addition and subtraction facts. Complete fact and number families. Solve addition and subtraction multi-digit number stories Subtract multi-digit numbers Measure line segments to the nearest ¼ inch. Add multi-digit numbers. Measure line segments to the nearest cm. Know multiplication facts having 0 or 1 as a factor. Use basic facts to solve fact extensions. Read, write, and compare whole numbers up to 5 digits. Identify place value in whole numbers up to 5 digits Know multiplication facts from the first set of Fact Triangles Identify right angles. Identify and name 2-D and 3-D shapes. Identify symmetric figures and draw lines of symmetry.
Fourth Grade	Fifth Grade	Sixth Grade	Sixth Grade	
<ul style="list-style-type: none"> Know addition and subtraction facts. Find equivalent names for numbers Understand the relationship between multiplication and division Draw and measure line segments to the nearest centimeter Use dollars-and-cents notation. Compare large numbers. Estimate sums. Identify the whole for fractions. Identify fractional parts of a collection of objects. Identify fractional parts of regions. Convert between hundredths-fractions, decimals, and percents. Use a calculator to rename any fraction as a decimal or percent. Use a transparent mirror to draw the reflection of a figure Identify lines of symmetry, lines of reflection, reflected figures, and figures with line symmetry. Use rate tables, if necessary, to solve rate problems. 	<ul style="list-style-type: none"> Draw arrays to model multiplication Know basic multiplication facts Identify even and odd numbers List the factors of a number Identify the maximum, minimum, median, mode, and mean for a data set Identify place value in numbers to billions Know properties of polygons Define and create tessellations Know the place value to hundredths Find and use data landmarks Convert among fractions, decimals, and percents Convert between fractions, and mixed or whole numbers Find common denominators Understand the concept of area of a figure Use a formula to find the area of rectangles Use formulas to find to area of polygons and circles Know the properties of geometric solids Find the factors of numbers Find the prime factorization of numbers 	<ul style="list-style-type: none"> Find equivalent names for numbers Identify statistical landmarks of data sets Compute and understand the mean Interpret and construct broken-line graphs Interpret and construct bar graphs Use exponential notation for large numbers Read, write, and compare numbers from thousandths to trillions Add and subtract decimals Estimate quotients and divide whole numbers Mentally add 1-digit positive and negative numbers Convert between fractions and mixed numbers Find the least common multiple of two numbers Find the greatest common factor of two numbers Add mixed numbers having fractions with like denominators Add and subtract fractions with like and unlike denominators Compare and order fractions Rename numbers expressed by fractions, mixed numbers, decimals, and percents Write fractions and mixed numbers in simplest form Apply properties of sums of angle measures of triangle and quadrangles Translate figures on a coordinate grid Plot ordered pairs on four quadrants; use ordered number pairs to name point in four quadrants Draw or form a figure congruent to a given figure Classify angles 	<ul style="list-style-type: none"> Measure and draw angles using a protractor Compare and order integers Understand and apply the identity property of multiplication Understand and apply the commutative property for addition and multiplication Solve fraction of a fraction problems Understand how sample size affects results Use rate tables to solve problems Evaluate expressions and formulas 	

2005-2006 – Orange 2006-2007 – Green 2007-2008 – Yellow 2008-2009 – Pink

Highlighted items indicate child is secure in the goal.